

Title (en)

Zirconia diaphragm structure, method of producing the same, and piezoelectric/ electro-strictive film element having the zirconia diaphragm structure

Title (de)

Membranstruktur aus Zirkoniumoxid, Verfahren zu ihrer Herstellung und eine piezoelektrische/elektrostriktive Schichtenanordnung mit der Membranstruktur aus Zirkoniumoxid

Title (fr)

Structure d'un diaphragme en zircone, procédé de sa fabrication, et élément à couches piézoélectriques/électrostrictif à cette structure d'un diaphragme en zircone

Publication

**EP 0636593 B1 19980930 (EN)**

Application

**EP 94305547 A 19940727**

Priority

- JP 18473193 A 19930727
- JP 33241993 A 19931227
- JP 14783294 A 19940629

Abstract (en)

[origin: EP0636593A2] A zirconia diaphragm structure, and a method of producing such structure. The zirconia diaphragm structure includes a zirconia substrate having at least one window, and a zirconia diaphragm plate formed integrally with the zirconia substrate so as to close each window, the zirconia substrate comprising a zirconia material as a major component, and containing 0.1-3.0% by weight of alumina, 0.1-3.0% by weight of silica, 0.1-5.0% by weight of alumina and silica, 0.1-5.0% by weight of alumina and magnesia, or 0.1-5.0% by weight of alumina, silica and magnesia.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Cited by

CN114249603A; US5728244A; US5893954A; US5908682A; EP1737054A3; EP0766325A1; US5853514A; US6232413B1; EP0736385A1; US5802686A; US5933167A; WO9830877A1; US6217979B1; EP0649008B1

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